



General Assembly

**Amendment**

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LCO No. 9237

\*HB0516209237HDO\*

Offered by:

REP. SHAPIRO, 144<sup>th</sup> Dist.  
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To: House Bill No. 5162

File No. 94

Cal. No. 124

**"AN ACT CONCERNING LICENSED ELECTRICIANS AND THE  
INSTALLATION OF PHOTOVOLTAIC ENERGY SYSTEMS."**

1 Strike everything after the enacting clause and substitute the  
2 following in lieu thereof:

3 "Section 1. Section 20-330 of the general statutes is repealed and the  
4 following is substituted in lieu thereof (*Effective from passage*):

5 As used in this chapter:

6 (1) "Contractor" means any person regularly offering to the general  
7 public services of such person or such person's employees in the field  
8 of electrical work, plumbing and piping work, solar work, heating,  
9 piping, cooling and sheet metal work, fire protection sprinkler systems

10 work, elevator installation, repair and maintenance work, irrigation  
11 work, automotive glass work or flat glass work, as defined in this  
12 section;

13 (2) "Electrical work" means the installation, erection, maintenance,  
14 alteration or repair of any wire, cable, conduit, busway, raceway,  
15 support, insulator, conductor, appliance, apparatus, fixture or  
16 equipment that generates, transforms, transmits or uses electrical  
17 energy for light, heat, power or other purposes, but does not include  
18 low voltage wiring, not exceeding twenty-four volts, used within a  
19 lawn sprinkler system;

20 (3) "Plumbing and piping work" means the installation, repair,  
21 replacement, alteration or maintenance of gas, water and associated  
22 fixtures, laboratory equipment, sanitary equipment, other than  
23 subsurface sewage disposal systems, fire prevention apparatus, all  
24 water systems for human usage, sewage treatment facilities and all  
25 associated fittings within a building and includes lateral storm and  
26 sanitary lines from buildings to the mains, process piping, swimming  
27 pools and pumping equipment, and includes making connections to  
28 back flow prevention devices, and includes low voltage wiring, not  
29 exceeding twenty-four volts, used within a lawn sprinkler system, but  
30 does not include (A) solar thermal work, except as provided in section  
31 2 of this act, and except for the repair of those portions of a solar hot  
32 water heating system that include the basic domestic hot water tank  
33 and the tie-in to the potable water system, (B) the installation, repair,  
34 replacement, alteration or maintenance of fire prevention apparatus  
35 within a structure, except for standpipes that are not connected to  
36 sprinkler systems, and (C) medical gas and vacuum systems work. For  
37 the purposes of this subdivision, "process piping" means piping or  
38 tubing that conveys liquid or gas that is used directly in the production  
39 of a chemical or a product for human consumption;

40 (4) "Solar thermal work" means the installation, erection, repair,  
41 replacement, alteration, or maintenance of active, passive and hybrid  
42 solar systems that directly convert ambient energy into heat or convey,

43 store or distribute such ambient energy;

44 (5) "Heating, piping and cooling work" means (A) the installation,  
45 repair, replacement, maintenance or alteration of any apparatus for  
46 piping, appliances, devices or accessories for heating systems,  
47 including sheet metal work, (B) the installation, repair, replacement,  
48 maintenance or alteration of air conditioning and refrigeration  
49 systems, boilers, including apparatus and piping for the generation or  
50 conveyance of steam and associated pumping equipment and process  
51 piping, and (C) on-site operation, by manipulating, adjusting or  
52 controlling, with sufficient technical knowledge, as determined by the  
53 commissioner, (i) heating systems with a steam or water boiler  
54 maximum operating pressure of fifteen pounds per square inch gauge  
55 or greater, or (ii) air conditioning or refrigeration systems with an  
56 aggregate of more than fifty horsepower or kilowatt equivalency of  
57 fifty horsepower or of two hundred pounds of refrigerant. [Heating]  
58 Except as provided in section 2 of this act, heating, piping and cooling  
59 work does not include solar thermal work or medical gas and vacuum  
60 systems work or the passive monitoring of heating, air conditioning or  
61 refrigeration systems. For the purposes of this subdivision, "process  
62 piping" means piping or tubing that conveys liquid or gas that is used  
63 directly in the production of a chemical or a product for human  
64 consumption;

65 (6) "Apprentice" means any person registered with the Labor  
66 Department for the purpose of learning a skilled trade;

67 (7) "Elevator installation, repair and maintenance work" means the  
68 installation, erection, maintenance and repair of all types of elevators,  
69 dumb waiters, escalators, and moving walks and all mechanical  
70 equipment, fittings, associated piping and wiring from a source of  
71 supply brought to the equipment room by an unlimited electrical  
72 contractor for all types of machines used to hoist or convey persons or  
73 materials, but does not include temporary hoisting machines used for  
74 hoisting materials in connection with any construction job or project;

75 (8) "Elevator maintenance" means the lubrication, inspection and  
76 replacement of controls, hoistway and car parts;

77 (9) "Fire protection sprinkler systems work" means the layout, on-  
78 site fabrication, installation, alteration, maintenance or repair of any  
79 automatic or manual sprinkler system designed for the protection of  
80 the interior or exterior of a building or structure from fire, or any  
81 piping or tubing and appurtenances and equipment pertaining to such  
82 system including overhead and underground water mains, fire  
83 hydrants and hydrant mains, standpipes and hose connections to  
84 sprinkler systems, sprinkler tank heaters excluding electrical wiring,  
85 air lines and thermal systems used in connection with sprinkler and  
86 alarm systems connected thereto, foam extinguishing systems or  
87 special hazard systems including water spray, foam, carbon dioxide or  
88 dry chemical systems, halon and other liquid or gas fire suppression  
89 systems, but does not include (A) any engineering design work  
90 connected with the layout of fire protection sprinkler systems, or (B)  
91 any work performed by employees of or contractors hired by a public  
92 water system, as defined in subsection (a) of section 25-33d;

93 (10) "State Fire Marshal" means the State Fire Marshal or any  
94 member of the Division of State Police to whom the Commissioner of  
95 Public Safety has delegated powers under section 29-291;

96 (11) "Journeyman sprinkler fitter" means a specialized pipe fitter  
97 craftsman, experienced and skilled in the installation, alteration,  
98 maintenance and repair of fire protection sprinkler systems;

99 (12) "Irrigation work" means making the connections to back flow  
100 prevention devices, and low voltage wiring, not exceeding twenty-four  
101 volts, used within a lawn sprinkler system;

102 (13) "Sheet metal work" means the installation, erection,  
103 replacement, repair or alteration of duct work systems, both ferrous  
104 and nonferrous;

105 (14) "Journeyman sheet metal worker" means an experienced

106 craftsman skilled in the installation, erection, replacement, repair or  
107 alteration of duct work systems, both ferrous and nonferrous;

108 (15) "Automotive glass work" means installing, maintaining or  
109 repairing fixed glass in motor vehicles;

110 (16) "Flat glass work" means installing, maintaining or repairing  
111 glass in residential or commercial structures;

112 (17) "Medical gas and vacuum systems work" means the work and  
113 practice, materials, instrumentation and fixtures used in the  
114 construction, installation, alteration, extension, removal, repair,  
115 maintenance or renovation of gas and vacuum systems and equipment  
116 used solely to transport gases for medical purposes and to remove  
117 liquids, air-gases or solids from such systems;

118 (18) "Solar electricity work" means the installation, erection, repair,  
119 replacement, alteration, or maintenance of photovoltaic or wind  
120 generation equipment used to distribute or store ambient energy for  
121 heat, light, power or other purposes to a point immediately inside any  
122 structure or adjacent to an end use;

123 (19) "Active solar system" means a system that uses an external  
124 source of energy to power a motor-driven fan or pump to force the  
125 circulation of a fluid through solar heat collectors and which removes  
126 the sun's heat from the collectors and transports such heat to a location  
127 where it may be used or stored;

128 (20) "Passive solar system" means a system that is capable of  
129 collecting or storing the sun's energy as heat without the use of a  
130 motor-driven fan or pump;

131 (21) "Hybrid solar system" means a system that contains  
132 components of both an active solar system and a passive solar system;  
133 and

134 (22) "Gas hearth product work" means the installation, service or  
135 repair of a propane or natural gas fired fireplace, fireplace insert, stove

136 or log set and associated venting and piping that simulates a flame of a  
137 solid fuel fire. "Gas hearth product work" does not include (A) fuel  
138 piping work, (B) the servicing of fuel piping, or (C) work associated  
139 with pressure regulating devices, except for appliances gas valves.

140 Sec. 2. (NEW) (*Effective from passage*) The Commissioner of  
141 Consumer Protection, after consultation with either the Heating,  
142 Piping, Cooling and Sheet Metal Work Board or the Plumbing and  
143 Piping Work Board, as appropriate, shall issue a solar thermal work  
144 certificate authorizing the performance of solar thermal work, as  
145 defined in section 20-330 of the general statutes, as amended by this  
146 act, to any person who: (1) Has been issued a P-1, P-2, P-3, P-4, S-1, S-2,  
147 S-3 or S-4, license issued by the Department of Consumer Protection,  
148 (2) has completed a solar thermal installation training course approved  
149 by the commissioner, and (3) has achieved a passing score on a solar  
150 thermal work examination approved by the commissioner. Such  
151 certificate shall be renewed consistent with the renewal process for the  
152 prerequisite licenses. The fee for such certificate shall be twenty-five  
153 dollars.

154 Sec. 3. Subsection (a) of section 20-334 of the general statutes is  
155 repealed and the following is substituted in lieu thereof (*Effective*  
156 *October 1, 2009*):

157 (a) No person shall engage in, practice or offer to perform the work  
158 of any occupation subject to this chapter in this state or wilfully and  
159 falsely offer to perform such work in any print, electronic, television or  
160 radio advertising or listing when such person does not hold a license  
161 for such work as required by this chapter, unless such person has first  
162 obtained a license as provided in section 20-333, or possesses a card of  
163 registration from the Labor Department or the board and is subject to  
164 all of the regulations adopted under this chapter for the purpose of  
165 governing apprenticeship training, or has been issued a license for  
166 such particular work under this chapter prior to July 6, 1967.

167 Sec. 4. Subsection (a) of section 20-341 of the general statutes is

168 repealed and the following is substituted in lieu thereof (*Effective*  
 169 *October 1, 2009*):

170 (a) Any person who wilfully engages in or practices the work or  
 171 occupation for which a license is required by this chapter without  
 172 having first obtained an apprentice permit or a certificate and license  
 173 for such work, or who wilfully employs or supplies for employment a  
 174 person who does not have a certificate and license for such work, or  
 175 who wilfully and falsely pretends to qualify to engage in or practice  
 176 such work or occupation, including, but not limited to, offering to  
 177 perform such work in any print, electronic, television or radio  
 178 advertising or listing when such person does not hold a license for  
 179 such work as required by this chapter, or who wilfully engages in or  
 180 practices any of the work or occupations for which a license is required  
 181 by this chapter after the expiration of such person's license, shall be  
 182 guilty of a class B misdemeanor, provided no criminal charges shall be  
 183 instituted against such person pursuant to this subsection unless the  
 184 work activity in question is reviewed by the Commissioner of  
 185 Consumer Protection, or the commissioner's authorized agent, and the  
 186 commissioner or such agent specifically determines, in writing, that  
 187 such work activity requires a license and is not the subject of a bona  
 188 fide dispute between persons engaged in any trade or craft, whether  
 189 licensed or unlicensed. Notwithstanding the provisions of subsection  
 190 (d) or (e) of section 53a-29 and subsection (d) of section 54-56e, if the  
 191 court determines that such person cannot fully repay any victims of  
 192 such person within the period of probation established in subsection  
 193 (d) or (e) of section 53a-29 or subsection (d) of section 54-56e, the court  
 194 may impose probation for a period of not more than five years. The  
 195 penalty provided in this subsection shall be in addition to any other  
 196 penalties and remedies available under this chapter or chapter 416."

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>from passage</i>	20-330
Sec. 2	<i>from passage</i>	New section

Sec. 3	<i>October 1, 2009</i>	20-334(a)
Sec. 4	<i>October 1, 2009</i>	20-341(a)